



THE GKN ULTIMATE ENGINEERING CHALLENGE!

In Association with VIT-SMEC and the Standard Club

EVENT FLOW

- Release of Problem Statement: 19/08/2026
- Registration Deadline: 22/08/2026
- Final Evaluation: 25/09/2026

GKN AEROSPACE & VIT SMEC

GKN Aerospace, in exclusive collaboration with VIT SMEC, invites final-year SMEC students to unlock their career potential with hands-on experience in engine component development. Work alongside GKN engineers!

PROBLEM STATEMENT

Reference Engine: KJ-66 Turbojet Engine

Challenge: Develop concept-level strategy for Diffuser (max diameter 260mm)

Constraint: LPBF build envelope limited to 220 x 220 x 220mm

Goal: Deliver out-of-the-box solutions with logical design & manufacturing justifications



REWARDS & TEAM STRUCTURE:

- Fully Paid Internship for 3 Winners
- Team Size: Exactly 3 Members Per Team
- Roles: Aero (Aerodynamics/Fluid Dynamics), Design (CAD/Structural), DfAM (Design for Additive Manufacturing)

Registration Fee: ₹300 per team
Final-Year Students Only

Registration Link:
<https://events.vit.ac.in>

Convenors

Dr Kuppan P | Dr Nantha Gopal K

VIT SMEC Coordinators

DESIGN TRACK

Dr Mallikarjuna Reddy D
Dr Jeyapandiarajan P
Dr Gunji Bala Murali

AERO TRACK

Dr Ashok. K
Dr Bibin John
Dr Sekarapandian N
Dr Ashish Alex Sam

AM TRACK

Dr Renold Elsen S
Dr Raja Kumar
Dr Oyyaravelu R